

ABSTRACT:

For preloading a tapered roller bearing (1) secured with a conical seat on a tapering roll neck (3) of a roll (2), in particular, a back-up roll, arranged in a roll stand by means of a chock (4), by application of a hydraulic pressure thereto, the bearing inner ring (18), rollers, (17) and the bearing outer ring (17) of the tapered roller bearing (1) are subjected to pressure produced during rolling and are radially preloaded against the roll (2).

An annular pressure-applying device is supported on the roll (2) by an axial bearing provided on the roll end neck, is arranged against the bearing outer ring of the tapered roller bearing (1) and, upon application of pressure, displaces the chock (4) with the bearing outer ring (13) in a direction toward the roll body (15) or the roll (2) in an opposite direction.